

Title (en)

FIRE-RETARDANT AND LOW-FUMING MOLDED MALE HOOK-AND-LOOP FASTENER

Title (de)

FEUERHEMMENDER UND RAUCHARMER GEFORMTER KLETTVERSCHLUSS

Title (fr)

DISPOSITIF DE FIXATION MÂLE MOULÉ À BOUCLES ET À CROCHETS IGNIFUGE ET À FAIBLE ÉMISSION DE FUMÉE

Publication

EP 3516978 A4 20200708 (EN)

Application

EP 17855910 A 20170921

Priority

- JP 2016193524 A 20160930
- JP 2017034007 W 20170921

Abstract (en)

[origin: EP3516978A1] The present invention relates to a molded hook fastener having excellent fire retardancy and low fuming property, and having a substrate and a large number of engaging elements projecting from a surface of the substrate, wherein both the substrate and the engaging elements contain a resin composition in which a polyester-based elastomer resin (A) and a polyetherimide-based resin (B) are mixed with a weight ratio (A)/(B) in a range of 2/98 to 70/30.

IPC 8 full level

A44B 18/00 (2006.01); **B64C 1/00** (2006.01); **C08K 5/00** (2006.01); **C08L 67/00** (2006.01); **C08L 79/08** (2006.01); **C08L 101/04** (2006.01)

CPC (source: EP US)

A44B 13/0023 (2013.01 - US); **A44B 18/0049** (2013.01 - EP); **A44B 18/0061** (2013.01 - EP); **B64C 1/066** (2013.01 - US); **A44B 18/0092** (2013.01 - US)

Citation (search report)

- [A] EP 1486606 A1 20041215 - YKK CORP [JP]
- See references of WO 2018061955A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3516978 A1 20190731; **EP 3516978 A4 20200708**; **EP 3516978 B1 20210630**; JP WO2018061955 A1 20190711; US 10772391 B2 20200915; US 2020015552 A1 20200116; WO 2018061955 A1 20180405

DOCDB simple family (application)

EP 17855910 A 20170921; JP 2017034007 W 20170921; JP 2018542476 A 20170921; US 201716334888 A 20170921